

**OCCUPATIONAL EMPLOYMENT REPORT
OF PRIMARY METAL
MANUFACTURING (331000)**

**In Cooperation with the
U.S. Department of Labor**



Form Approved
O.M.B. No. 1220-0042

What this report is about: This form asks for information about the occupations and wage ranges of the employees described in Item 3 below. Please complete Items 1 through 5 on this page. Next, please provide the information requested beginning on page 1 for the employees who worked during or received pay for the pay period that included the reference date in Item 3, printed directly above your establishment name. The instructions on pages ii and iii explain how to provide the information. Please see our website at <http://www.bls.gov/OES> for more information on the OES Program, including a display of national, state and metropolitan area employment and wage estimates by occupation.

- 1** Which of the following options describes the status of the location(s) in Item 3 as of the reference date also printed in Item 3?
- Operating: Go to item 2.
 - Temporarily closed during the reference period: Report data only for employees paid for work during the reference period. If no employees worked for pay, report "0" in section 4 of this page and return the form in the reply envelope provided.
 - Permanently out of business as of __/__/____: Return the form to the address at the top.
 - Sold or merged: Enter the new name and address below, then go to item 2. ↙

New Name: _____
New Address: _____

- 2** Our records show that your main products or services are related to those listed below. If they are not, please list your main products or services on the lines provided and continue with the rest of the report.

- 3** This form asks for information about the employees described below. Our estimate of employment for these employees appears at the top right corner of the label. *Please make any needed address corrections.*

- 4** How many employees, **both full and part-time**, worked at this location(s) during the pay period that included the reference date printed in Item 3?

Enter the number here...

Include

- ♦ Full or part-time paid workers
- ♦ Workers on paid leave
- ♦ Workers assigned temporarily to other units
- ♦ Incorporated firms - paid owners, officers, and staff

Do Not Include

- ♦ Contractors and temporary agency employees not on your payroll
- ♦ Unpaid family workers
- ♦ Workers on unpaid leave
- ♦ Unincorporated firms - proprietors, owners, and partners

Do all employees reported above work at one location?

Yes No...Enter number of locations

- 5** Please tell us who to contact if we have questions about your data.

Name: _____
Title: _____
Phone: (____) _____ - _____ Ext. _____ Date: _____
E-mail address: _____

FOR
OFFICE
USE ONLY

Instructions for Reporting by Occupation

Report **part-time workers** in the job they perform.

Report **apprentices** in the job for which they are being trained.

Report employees in the following ways:

- Use the description of duties along with the job titles to determine where to place employees. Do not rely on job titles alone.
- Report employees in the occupations in which they are working, **not** necessarily in occupations for which they have been trained.
For example: An employee trained as an engineer, but working as a drafter, should be reported as a drafter.
- Report each employee only once in the occupation that requires the **highest** level of skill if the employee performs work in two or more occupations. If there is **no** measurable difference in skill requirements, report employees in the occupation in which they spend the **most** time.
- Professionals who directly supervise other workers in professional occupations should be classified in the same occupation as the workers they supervise. For example, an economist that supervises other economists is classified as an economist.

Instructions for Reporting Wage Information

For all employees:

- Please use the hourly and annual wage rate categories to report employees. If wages are not recorded by hour or year (bi-weekly, or monthly for example), convert them into an hourly wage rate.
- For part-time workers, please report the specific hourly wage rate, not an average.
- For tip, commission, and piece-rate workers, please estimate the earnings (base pay plus tips, commissions, or piece rates), and report the appropriate wage.
- For salaried workers who do not work a standard 2080 hours per year (40 hours per week), please report wages on an hourly basis. For workers who are paid an annual salary by contract, such as Airline Pilots, report their annual salary.
- Include and/or exclude from pay as follows:

Include as pay

- Base Rate
- Commissions
- Tips
- Deadheading Pay
- Guaranteed Pay
- Hazard Pay
- Incentive Pay
- Longevity Pay
- On-call Pay
- Piece Rate
- Portal-to-Portal Rate
- Production Bonus
- Cost-of-Living Allowance

Exclude as pay

- Attendance Bonus
- Back Pay
- Draw
- Holiday Premium Pay
- Jury Duty Pay
- Lodging Payments
- Meal Payments
- Merchandise Discounts
- Nonproduction Bonus (e.g., Holiday Bonus)
- Overtime Pay
- Perquisites
- Profit Sharing Payment
- Relocation Allowance
- Tuition Repayments
- Severance Pay
- Shift Differential
- Stock Bonuses
- Tool Allowance
- Vacation Pay
- Weekend Pay
- Uniform Allowance

The Bureau of Labor Statistics, its employees, agents, and partner statistical agencies, will use the information you provide for statistical purposes only and will hold the information in confidence to the full extent permitted by law. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2002 (Title 5 of Public Law 107-347) and other applicable Federal laws, your responses will not be disclosed in identifiable form without your informed consent. This report is authorized by law, 29 U.S.C. §2. Your voluntary cooperation is needed to make the results of this report comprehensive, accurate, and timely.

*We estimate that it will vary from 30 minutes to 6 hours to complete this report, depending on such factors as the size of the establishment. This includes time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this information. If you have any comments regarding these estimates or any other aspects of this report, including suggestions for reducing this burden, send them to the U.S. Bureau of Labor Statistics, Division of Occupational Employment Statistics (1220-0042), 2 Massachusetts Avenue NE, Suite 2135, Washington, DC 20212. Please do not return your questionnaire to this address. Use the enclosed preaddressed envelope or the address provided at the top of the first page to return your completed questionnaire. You do not have to complete this questionnaire if it does not display a currently valid OMB control number.

Instructions for Completing the Report

On the following pages you will find the Occupational Employment Report. Please refer to the example below and the guidelines on page ii for instructions on how to complete the form. If you have employees whose occupations are not found in the list provided, please use the supplemental pages at the end of this report. Please write each unique occupational title on a separate line along with a short description of duties, the number of employees in each wage category, and the total employment for each occupation.

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (REPORT PART-TIME WORKERS ACCORDING TO AN HOURLY RATE) | | | | | | | | | | | | | TOTAL EMPLOYMENT |
|---|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|---|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T | |
| | Hourly (part-time or full-time) under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over | | |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | | |
| Accountants and Auditors - Examine, analyze, and interpret accounting records for the purpose of giving advice or preparing statements. 13-2011 | | | | 1 | 2 | 3 | | | | | | | 6 | |

1 For each occupation listed, read the definition to determine which occupations are found in your establishment.

2 For each occupation that is found in your establishment, write in the number of workers in this occupation, based on their wages. For example, there are six Accountants in your establishment. One is part-time, working 20 hours a week, and earns \$12,480 per year; and five are full-time: two earn \$32,000 per year, and three earn \$46,000. Calculate an hourly wage for the part-time worker by dividing the annual wage by the number of hours worked; 20 hrs x 52 weeks = 1040 hrs/yr, \$12480/1040 hrs = \$12/hr. Write "1" in column D. For the full-time workers, use their annual wage: write "2" in column E and "3" in column F.

3 Add up the total number of workers in this occupation and write the figure in the Total Employment column, making sure the total agrees with your records.

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

Management Occupations

(Managers in this section generally have other managers/supervisors reporting to them.)

| Chief Executives - Determine and formulate policies and provide the overall direction of companies or private and public sector organizations within the guidelines set up by a board of directors or similar governing body. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-1011 | | | | | | | | | | | | | |

| General and Operations Managers - Plan, direct, or coordinate the operations of companies or public and private sector organizations. Duties include formulating policies, managing daily operations, and planning the use of materials and human resources, but are too diverse in nature to be classified in any one functional area of management or administration. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-1021 | | | | | | | | | | | | | |

| Sales Managers - (Customer Service Manager) Direct the distribution of a product or service to the customer by establishing sales territories, quotas, and goals. Analyze sales statistics gathered by staff to determine sales potential and inventory requirements and monitor the preferences of customers. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-2022 | | | | | | | | | | | | | |

| Computer and Information Systems Managers - Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-3021 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Financial Managers - (Controller) Plan, direct, and coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment. <div style="text-align: right;">11-3031</div> | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compensation and Benefits Managers - Plan, direct, or coordinate compensation and benefits activities and staff of an organization. Include job analysis and position description managers. <div style="text-align: right;">11-3041</div> | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Industrial Production Managers - (Quality Control Manager) Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications. <div style="text-align: right;">11-3051</div> | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Purchasing Managers - (Procurement Manager) Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. <div style="text-align: right;">11-3061</div> | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Engineering Managers - Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields. <div style="text-align: right;">11-9041</div> | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

Business and Financial Operations Occupations

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Purchasing Agents, Except Wholesale, Retail, and Farm Products - Purchase machinery, equipment, tools, parts, supplies, or services necessary for the operation of an establishment. Purchase raw or semi-finished materials for manufacturing. Include contract specialists, field contractors, purchasers, price analysts, tooling coordinators, and media buyers. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 13-1023 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compensation, Benefits, and Job Analysis Specialists - Conduct programs of compensation and benefits and job analysis for employer. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 13-1072 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accountants and Auditors - Examine, analyze, and interpret accounting records for the purpose of giving advice or preparing statements. Install or advise on systems of recording costs or other financial and budgetary data. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 13-2011 | | | | | | | | | | | | | |

Computer and Mathematical Occupations

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Computer Support Specialists - Provide technical assistance to computer system users. Answer questions or resolve computer problems for clients. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 15-1041 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Network and Computer Systems Administrators - Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet system or a segment of a network system. Maintain and monitor network hardware and software to ensure network availability to all system users. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 15-1071 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

Architecture and Engineering Occupations

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Industrial Engineers - <i>(Industrial Quality Control Engineer)</i> Design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 17-2112 | | | | | | | | | | | | | |
| Materials Engineers - <i>(Metallurgical Engineer)</i> Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 17-2131 | | | | | | | | | | | | | |
| Mechanical Engineers - Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 17-2141 | | | | | | | | | | | | | |
| Industrial Engineering Technicians - Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 17-3026 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

Healthcare Practitioner and Technical Occupations

| Occupational Health and Safety Specialists - Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors. May conduct inspections and enforce adherence to laws and regulations governing the health and safety of individuals. May be employed in the public or private sector. Include environmental protection officers. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29-9011 | | | | | | | | | | | | | |

Building and Grounds Cleaning and Maintenance Occupations

| Janitors and Cleaners, Except Maids and Housekeeping Cleaners - Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish. Duties may include tending furnace and boiler. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37-2011 | | | | | | | | | | | | | |

Sales and Related Occupations

| First-Line Supervisors/Managers of Non-Retail Sales Workers - Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties, such as budgeting and personnel work. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41-1012 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products - Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41-4012 | | | | | | | | | | | | | |

Office and Administrative Support Occupations

| First-Line Supervisors/Managers of Office and Administrative Support Workers - Supervise and coordinate the activities of clerical and administrative support workers. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43-1011 | | | | | | | | | | | | | |

| Billing and Posting Clerks and Machine Operators - Compile, compute, and record billing, accounting, statistical, and other numerical data for billing purposes. Prepare billing invoices for services rendered or for delivery or shipment of goods. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43-3021 | | | | | | | | | | | | | |

| Bookkeeping, Accounting, and Auditing Clerks - Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43-3031 | | | | | | | | | | | | | |

| Payroll and Timekeeping Clerks - Compile and post employee time and payroll data. May prepare paychecks. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 43-3051 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Customer Service Representatives - Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints. Exclude individuals whose duties are primarily sales or repair. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-4051 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Human Resources Assistants, Except Payroll and Timekeeping - (Personnel Clerk) Compile and keep personnel records. Record data for each employee, such as address, weekly earnings, absences, and date of and reason for termination. Compile and type reports from employment records. Search employee files and furnish information to authorized persons. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-4161 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Receptionists and Information Clerks - Answer inquiries and obtain information for general public, customers, visitors, and other interested parties. Provide information regarding activities conducted at establishment; location of departments, offices, and employees within organization. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-4171 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Production, Planning, and Expediting Clerks - (Assignment Agent) Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule. Duties include reviewing and distributing production, work, and shipment schedules; and compiling reports on progress of work, inventory levels, costs, and production problems. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-5061 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shipping, Receiving, and Traffic Clerks - <i>(Freight Clerk)</i> Verify and keep records on incoming and outgoing shipments. Prepare items for shipment. Duties include assembling, addressing, stamping, and shipping merchandise or material; receiving, unpacking, verifying and recording incoming merchandise or material; and arranging for the transportation of products. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-5071 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stock Clerks and Order Fillers - <i>(Tool-Crib Attendant)</i> Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-5081 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Executive Secretaries and Administrative Assistants - Provide administrative support by performing clerical and administrative tasks. Higher-level executive assistants and administrative assistants may also conduct independent projects and assume greater training responsibilities. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-6011 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Secretaries, Except Legal, Medical, and Executive - Perform clerical and routine administrative functions such as preparing correspondence, scheduling appointments, filing, or providing information. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-6014 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Office Clerks, General - Perform duties too varied and diverse to be classified in any specific office clerical occupation, requiring limited knowledge of office management systems and procedures. Clerical duties may be assigned in accordance with the office procedures of individual establishments. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 43-9061 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

Construction and Extraction Occupations

| First-Line Supervisors/Managers of Construction Trades and Extraction Workers - Directly supervise and coordinate activities of construction or extraction workers. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47-1011 | | | | | | | | | | | | | |

| Electricians - Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47-2111 | | | | | | | | | | | | | |

| Plumbers, Pipefitters, and Steamfitters - Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47-2152 | | | | | | | | | | | | | |

Installation, Maintenance, and Repair Occupations

| First-Line Supervisors/Managers of Mechanics, Installers, and Repairers - Supervise and coordinate the activities of mechanics, installers, and repairers. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49-1011 | | | | | | | | | | | | | |

| Industrial Machinery Mechanics - Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49-9041 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maintenance and Repair Workers, General - (Maintenance Mechanic) Perform work involving the skills of two or more maintenance or craft occupations to keep machines, mechanical equipment, or the structure of an establishment in repair. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 49-9042 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maintenance Workers, Machinery - (Belt Repairer) Lubricate machinery, change parts, or perform other routine machinery maintenance. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 49-9043 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Millwrights - Install, dismantle, or move machinery and heavy equipment according to layout plans, blueprints, or other drawings. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 49-9044 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refractory Materials Repairers, Except Brickmasons - Build or repair furnaces, kilns, cupolas, boilers, converters, ladles, soaking pits, ovens, etc., using refractory materials. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 49-9045 | | | | | | | | | | | | | |

Production Occupations

| | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| First-Line Supervisors/Managers of Production and Operating Workers - Supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 51-1011 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coil Winders, Tapers, and Finishers - Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instruments, such as field cores, bobbins, armature cores, electrical motors, generators, and control equipment. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 51-2021 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Team Assemblers - Work as part of a team having responsibility for assembling an entire product or component of a product. Team assemblers can perform all tasks conducted by the team in the assembly process. May participate in making management decisions affecting the work. Team leaders who work as part of the team should be included. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 51-2092 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Computer-Controlled Machine Tool Operators, Metal and Plastic - Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 51-4011 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 51-4021 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Forging Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | | | | | | | | | | | | | |
| 51-4022 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

| Rolling Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to roll metal or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or reduce gauge of material. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-4023 | | | | | | | | | | | | | |

| Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-4031 | | | | | | | | | | | | | |

| Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend drilling machines to drill, bore, ream, mill, or countersink metal or plastic work pieces. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-4032 | | | | | | | | | | | | | |

| Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-4033 | | | | | | | | | | | | | |

| Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend lathe and turning machines to turn, bore, thread, form, or face metal or plastic materials, such as wire, rod, or bar stock. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-4034 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend milling or planing machines to mill, plane, shape, groove, or profile metal or plastic work pieces. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4035 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Machinists - Set up and operate a variety of machine tools to produce precision parts and instruments. Include precision instrument makers who fabricate, modify, or repair mechanical instruments. May also fabricate and modify parts to make or repair machine tools or maintain industrial machines. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4041 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Metal-Refining Furnace Operators and Tenders - (Smelter) Operate or tend furnaces, such as gas, oil, coal, electric-arc or electric induction, open-hearth, or oxygen furnaces, to melt and refine metal before casting or to produce specified types of steel. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4051 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pourers and Casters, Metal - Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4052 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model Makers, Metal and Plastic - Set up and operate machines, such as lathes, milling and engraving machines, and jig borers to make working models of metal or plastic objects. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4061 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patternmakers, Metal and Plastic - Lay out, machine, fit, and assemble castings and parts to metal or plastic foundry patterns, core boxes, or match plates. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4062 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Foundry Mold and Coremakers - Make or form wax or sand cores or molds used in the production of metal castings in foundries. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4071 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend metal or plastic molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts or products. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4072 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend more than one type of cutting or forming machine tool or robot. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4081 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tool and Die Makers - Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4111 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Welders, Cutters, Solderers, and Brazers - Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 51-4121 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

| Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat-treat metal or plastic objects. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|
| | 51-4191 | | | | | | | | | | | | |

| Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic - Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel, or other metal to protect or decorate surfaces. Include electrolytic processes. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|
| | 51-4193 | | | | | | | | | | | | |

| Tool Grinders, Filers, and Sharpeners - Perform precision smoothing, sharpening, polishing, or grinding of metal objects. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|
| | 51-4194 | | | | | | | | | | | | |

| Grinding and Polishing Workers, Hand - Grind, sand, or polish, using hand tools or hand-held power tools, a variety of metal, wood, stone, clay, plastic, or glass objects. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---------|---|---|---|---|---|---|---|---|---|---|---|---|
| | 51-9022 | | | | | | | | | | | | |

| Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders - Operate or tend heating equipment other than basic metal, plastic, or food processing equipment. Includes activities, such as annealing glass, drying lumber, curing rubber, removing moisture from materials, or boiling soap. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---------|---|---|---|---|---|---|---|---|---|---|---|---|
| | 51-9051 | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

| Inspectors, Testers, Sorters, Samplers, and Weighers - (Quality Checker) Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-9061 | | | | | | | | | | | | | |

| Packaging and Filling Machine Operators and Tenders - Operate or tend machines to prepare industrial or consumer products for storage or shipment. Include cannery workers who pack food products. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-9111 | | | | | | | | | | | | | |

| Coating, Painting, and Spraying Machine Setters, Operators, and Tenders - Set up, operate, or tend machines to coat or paint any of a wide variety of products including food, glassware, cloth, ceramics, metal, plastic, paper, or wood, with lacquer, silver, copper, rubber, varnish, glaze, enamel, oil, or rust-proofing materials. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-9121 | | | | | | | | | | | | | |

| Helpers--Production Workers - Help production workers by performing duties of lesser skill. Duties include supplying or holding materials or tools, and cleaning work area and equipment. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-9198 | | | | | | | | | | | | | |

Transportation and Material Moving Occupations

| First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand - Supervise and coordinate the activities of helpers, laborers, or material movers. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53-1021 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| | Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators - Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers. These workers have other employees reporting directly to them. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 53-1031 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Truck Drivers, Heavy and Tractor-Trailer - Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 GVW, to transport and deliver goods, livestock, or materials in liquid, loose, or packaged form. Requires commercial drivers' license. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 53-3032 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crane and Tower Operators - (Cherry Picker Operator) Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 53-7021 | | | | | | | | | | | | | |

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|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Industrial Truck and Tractor Operators - (Fork Lift Driver) Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 53-7051 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Laborers and Freight, Stock, and Material Movers, Hand - Manually move freight, stock, or other materials or perform other unskilled general labor. Include all unskilled manual laborers not elsewhere classified. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 53-7062 | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Machine Feeders and Offbearers - Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers. | A | B | C | D | E | F | G | H | I | J | K | L | T |
| 53-7063 | | | | | | | | | | | | | |

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | |
|--|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T |
| Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over | Total Employment |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | |

| Packers and Packers, Hand - Pack or package by hand a wide variety of products and materials. | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 53-7064 | | | | | | | | | | | | | |

**Subtotal
Employment**

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Report additional occupations on supplemental pages at the end of form.

Instructions for Completing the Supplemental Page

Please use these supplemental pages to report employees whose occupations were not found on the preceding pages. Please write in each unique occupational title, a short description of duties, the number of employees found in each wage column, and the total employment for each occupation. Refer to pages ii and iii for detailed instructions on how to report by occupation, how to determine wages, and how to complete the report.

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES | | | | | | | | | | | | | Total Employment |
|---|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|---|-------------------------|
| | (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | | |
| | A | B | C | D | E | F | G | H | I | J | K | L | T | |
| Hourly (part-time or full-time) | under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over | | |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | T |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
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|----------------------------|------|-----------------|------------|-----------------------|-------------|---------------|
| FOR OFFICE USE ONLY | FIPS | Schedule Number | NAICS Code | Unit Total Employment | Reviewed By | Date Reviewed |
| | | | | | | |

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|--|--|
| Subtotal Employment - this page | |
|--|--|

| | |
|---|--|
| Total Employment identified on this form | |
|---|--|

Instructions for Completing the Supplemental Page

Please use these supplemental pages to report employees whose occupations were not found on the preceding pages. Please write in each unique occupational title, a short description of duties, the number of employees found in each wage column, and the total employment for each occupation. Refer to pages ii and iii for detailed instructions on how to report by occupation, how to determine wages, and how to complete the report. If you need additional space to report the workers in your establishment, please photocopy this page.

| OCCUPATIONAL TITLE AND DESCRIPTION OF DUTIES | NUMBER OF EMPLOYEES IN SELECTED WAGE RANGES (Report Part-time Workers According to an Hourly Rate) | | | | | | | | | | | | | Total Employment |
|---|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|---------------------|---------------------|--------------------|---|------------------|
| | A | B | C | D | E | F | G | H | I | J | K | L | T | |
| | Hourly (part-time or full-time) under \$7.50 | \$7.50 - 9.49 | \$9.50 - 11.99 | \$12.00 - 15.24 | \$15.25 - 19.24 | \$19.25 - 24.49 | \$24.50 - 30.99 | \$31.00 - 39.24 | \$39.25 - 49.74 | \$49.75 - 63.24 | \$63.25 - 79.99 | \$80.00 and over | | |
| Annual Salary (full-time only) | under \$15,600 | \$15,600 - 19,759 | \$19,760 - 24,959 | \$24,960 - 31,719 | \$31,720 - 40,039 | \$40,040 - 50,959 | \$50,960 - 64,479 | \$64,480 - 81,639 | \$81,640 - 103,479 | \$103,480 - 131,559 | \$131,560 - 166,399 | \$166,400 and over | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | T |
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| | A | B | C | D | E | F | G | H | I | J | K | L | T |
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| | A | B | C | D | E | F | G | H | I | J | K | L | T |
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| | A | B | C | D | E | F | G | H | I | J | K | L | T |
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|----------------------------|------|-----------------|------------|-----------------------|-------------|---------------|--|---|--|
| FOR OFFICE USE ONLY | FIPS | Schedule Number | NAICS Code | Unit Total Employment | Reviewed By | Date Reviewed | | Subtotal Employment - this page | |
| | | | | | | | | Total Employment identified on this form | |